

MANUAL AND USER GUIDE

Transmitter Model TLK-TM
Receiver Model TLK-RM
PrivacyMic® Model TLK-PM-100



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CONGRATULATIONS!

You have purchased a TALK AND LISTEN KIT®, a voice-silencing language communication/interpretation system that has revolutionized the way speakers communicate with multiple language groups.

Your TALK AND LISTEN KIT® has been engineered and designed to provide you with many years of reliable service. This manual contains vital information regarding system overview, safety information, use, operating tips and instructions, battery information, troubleshooting and warranty information. We recommend it be stored in the carry case or in another safe place for easy and frequent reference.

MANUAL AND USER GUIDE

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SAFETY INFORMATION

HEARING SAFETY



CAUTION!

This product is designed to amplify sounds to a high volume level which could potentially cause hearing damage if used improperly. **To protect your hearing and the hearing of others:**

1. Make sure the volume is turned down before putting on the earhook or headphone. Then adjust the volume to a comfortable level.
2. Set the volume level at the minimum setting that you need to hear.
3. If you experience feedback (a squealing or howling sound), reduce the volume setting and move the microphone away from the earhook or headphone.
4. Do not allow children **or other unauthorized persons** access to this product.

BATTERY SAFETY AND DISPOSAL



CAUTION!

Do not attempt to recharge disposable batteries, which may explode, release dangerous chemicals, cause burns or other serious harm to the user or product.

SYSTEM OVERVIEW

Your TALK AND LISTEN KIT® is a portable, high-performance, wireless communication system designed to be used to provide simultaneous interpretation. It is composed of three principal components: the TLK-PM-100 PrivacyMic® microphone,

the TLK-TM transmitter and the TLK-RM receiver (with listening device). The system allows one-way transmission of voice to listeners using an FM radio signal. It is traditionally used to help listeners overcome language barriers, background noise and distance from the individual speaker. It can be used for large or small group meetings and in noisy or quite environments,

Much like a miniature radio station, the PrivacyMic® microphone and transmitter pick up the sounds you want to hear and broadcast them over an FM radio signal. Listeners use the receiver and listening device to hear the speaker's voice directly up to a distance of 325 feet with virtually all background noise eliminated.

One PrivacyMic® and one transmitter are required for each language and/or meeting that requires simultaneous interpretation.

INTERPRETER PORTION



LISTENER PORTION



To avoid difficulties, please read through these instructions as you begin to use the system.

SUGGESTED USES & TIPS FOR USERS

SUGGESTED USES

Your TALK AND LISTEN KIT® is traditionally used for meetings or public gatherings of any kind to communicate with multiple language groups, to overcome background noise and distance from the individual speaker and in noisy or quiet environments. Everyone gets the same message at the same time without distraction and time-consuming delays as in consecutive interpretation methods. This user-friendly system can be used in a variety of ways: to stimulate student learning, increase parent involvement at schools and attendance at meetings, allow judicial proceedings and other public gatherings to flow smoothly and in churches and other quiet environments. The TALK AND LISTEN KIT® is primarily used to interpret one or more languages simultaneously – up to a total of 8 languages and/or meetings.

TIPS FOR USERS

Introduce the TALK AND LISTEN KIT® as a means of communication that will increase attendance and enhance listener attention. Consider the following before actually using the equipment:

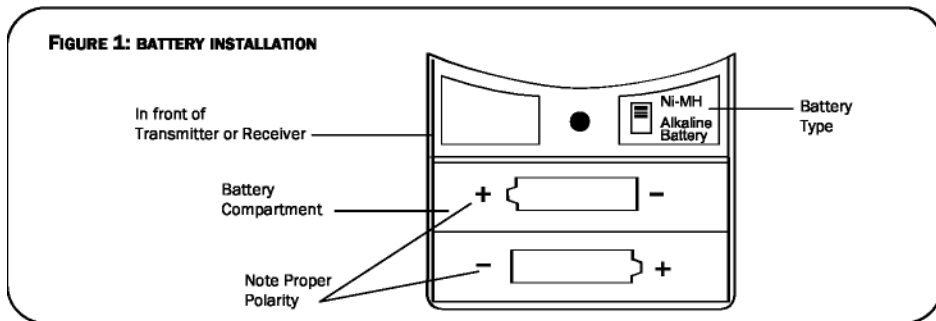
- Allow time for equipment set-up at the beginning of use. Turn on all transmitters and receivers to check for proper functioning (indicator light is on). Check battery(s) and change if necessary (see instructions at battery installation).
- If multiple language interpretation is to be conducted, make sure the receivers are tuned to the proper channel (located on the transmitter) for each language.
- Have someone else speak into the PrivacyMic® while you listen so you can hear what your listeners will hear.
- Be sensitive to the pace and volume of your presentation to ensure time for the interpreter to accurately paraphrase and/or summarize the information.
- Be sure to use clear, concise directions.
- If possible assign equipment to the same person each time to prevent misuse. Place receiver and listening device in a clear plastic bag labeled with his/her name.
- Allow time at the end of the session to properly pack up the equipment. **Make sure all units are turned off.**

Interpreter tips – During instruction, stand in a location or move about where you are able to monitor comprehension of listeners using receivers. Feel free to circulate around the area to maintain a positive visibility. The equipment is primarily used to paraphrase or summarize main concepts. It is generally not intended to be used for word by word interpretation, although it could.

BATTERY INFORMATION

INSTALLATION

Press the batteries into place, observing proper battery polarity. Incorrect insertion of the batteries is difficult, and if forced, may cause both mechanical and electrical damage to transmitters or receivers not covered by the warranty. Units will not work with the battery incorrectly installed.



NON-RECHARGEABLE BATTERIES

In normal use, two AA 1.5 V alkaline batteries will last about 30 hours in the TLK-TM transmitter and approximately 60 hours in the TLK-RM receiver. If the sound becomes weak or distorted, replace the batteries. Do not leave used batteries in the receivers. Battery corrosion is not covered by the five year warranty.

RECHARGEABLE BATTERIES

The TLK-TM transmitter and TLK-RM receiver can use rechargeable AA batteries. On an overnight charge, these NiMH batteries are designed to operate a TLK-TM transmitter for approximately 24 hours, and TLK-RM receiver for 50 hours.

The battery installed in the transmitter / receiver may be recharged only if it is a NiMH battery.

Important Rechargeable Battery Information

Batteries must be charged for a complete charge cycle before the first use (approximately 15 hours). Rechargeable batteries will need to be replaced after 1–2 years of use. Do not dispose of batteries in fire. Do not open batteries — toxic chemicals inside.

!! IMPORTANT WARNINGS !!

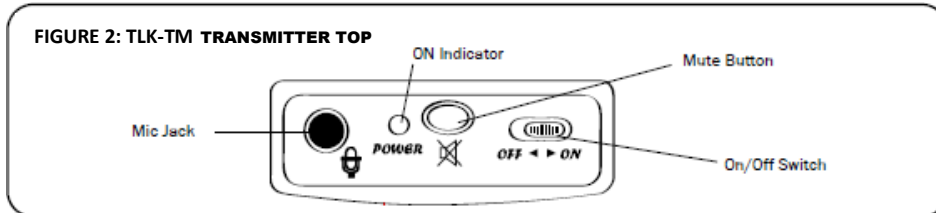
**DO NOT ATTEMPT TO RECHARGE CARBON ZINC (“HEAVY DUTY”),
ALKALINE, OR LITHIUM BATTERIES!**

DO NOT ATTEMPT TO RECHARGE DISPOSABLE BATTERIES! These batteries may heat up and explode, causing possible injury and damage to the equipment.

Avoid shorting the batteries by placing plus and minus battery terminals together with metal objects. Battery damage and burns can result!

OPERATING INSTRUCTIONS USING THE TLK-TM TRANSMITTER

1. Plug the microphone cord into the "Mic" jack on top of the transmitter.
2. Turn the power switch on top of the transmitter to "On."
3. LCD panel will blink when mute is ON. Depress and release button a second time to turn mute function OFF.
4. Hold the PrivacyMic to your face to lightly seal the rubber mouthpiece around your mouth and speak in a normal tone.

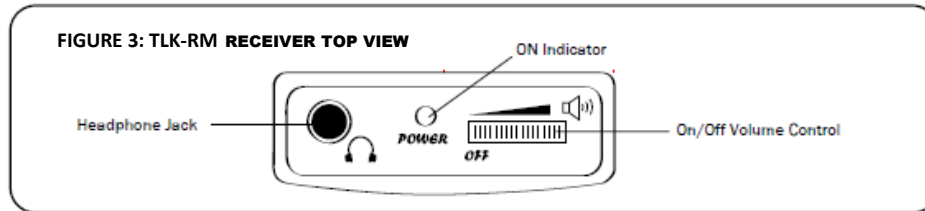


Note On The Transmitter Antenna:

The PrivacyMic cord is the transmitting antenna. Do not bunch up the cord, wrap it tightly around your body, or wrap it around the transmitter. For maximum range, the cord should hang as straight as possible. The transmitter can be placed in a pants pocket, or clipped onto a belt or waistband. Make sure the transmitter is turned OFF when not in use.

USING THE TLK-RM RECEIVER

1. Plug the earhook or headphone into the headphone jack on top of the receiver.
2. Place the headphones over your ears.
3. Turn the power on by rotating the volume control thumbwheel on top of the receiver.
4. Adjust the receiver volume control to a comfortable listening level. You should be able to hear someone speaking into the transmitter microphone.

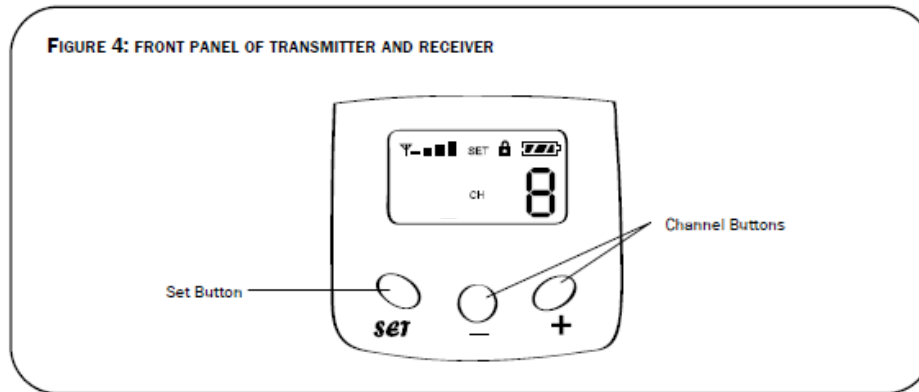


Note On The Receiver Antenna:

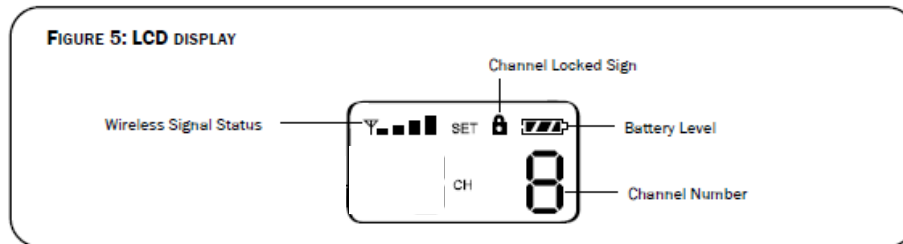
The headphone cord is the receiving antenna. Do not bunch up the cord, wrap it tightly around your body, or wrap it around the receiver. For maximum range, the cord should hang as straight as possible. The receiver can be placed in a pants pocket, or clipped onto a belt or waistband. Make sure the receiver is turned OFF when not in use.

CHANNEL SELECTION AND SETTING

1. Press "SET" button (at least 3 sec.) to release the lock.
2. Press +/- to select channel.
3. Press the "SET" button (at least 3 sec.) again to lock the channel.
4. Channel number selected is displayed on right of LCD screen.



LCD DISPLAY



Transfer signal strong.



Transfer signal weak. It will disconnect.



Channel lock will display when set button is depressed and lock is engaged.



Battery full.



Battery low.

Channel number denotes the channel selected from the + or – buttons.

The PrivacyMic® microphone The PrivacyMic® is an ergonomically designed microphone that confines the interpreter's voice while allowing him/her to breathe normally. It allows the interpreter to speak naturally without permitting the sound of the voice to disturb those nearby.

Breathing while speaking into the PrivacyMic® is accomplished the same way as in ordinary conversation. We inhale through the nose and/or mouth and expel air through the mouth as we speak. Do exactly the same when speaking into the PrivacyMic®. **Do not try to hold your breath while speaking!**

Fresh air is taken in through the PrivacyMic's air breather assembly without having to remove it from your face. However, during long pauses, you may find it more comfortable to tilt it away or completely remove it from your face. Practice using the PrivacyMic® when reading these instructions aloud or in front of the television.

Make sure the mouthpiece of the PrivacyMic® is flush to the face so air does not escape around the sides. If air escapes, sound escapes. Breathe normally. Quick "snips" or "snatches" of breath or unnecessarily deep breaths can tire you out quickly.

The correct speaking voice is a soft one as though speaking to a child. Speak softer than your normal voice but **do not whisper**. Extended periods of whispering can strain your vocal cords and distort the reception. Speaking softly allows you to speak clearly and quickly. You will also be able to talk for longer periods of time and will be better able to hear others speaking.

Wait for the speaker to get a few words ahead of you before you begin speaking. You will find it easier to keep up this way. Lagging behind the speaker allows you to gain a better understanding of what is being said.

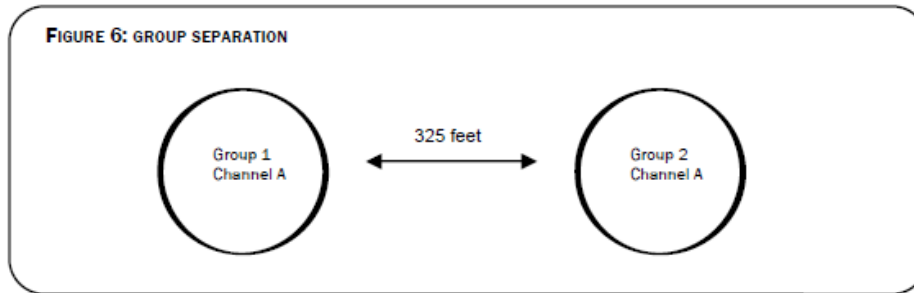
How to care for your PrivacyMic® (1) pull off the rubber mouthpiece; (2) put thumb under grill tab, lift up and pull out of mask; (3) tuck a disposable moisture absorbent filter into handle cavity making sure it is behind the microphone; (4) re-insert grill by placing top into slot first then press bottom of grill until it snaps into slot on bottom; (5) place rubber mouthpiece onto handle, aligning dot on top of rubber mouthpiece with seam on top of handle. Press edges of mouthpiece into holding groove. Be sure seal is tight all the way around for best performance; (6) clean the grill and rubber mouthpiece with a mild soap and water solution and air dry. A new filter is recommended after each use. *CAUTION:* Do not subject microphone to moisture or place in bag after use until dry.

HINTS FOR USING YOUR TALK & LISTEN KIT WIRELESS SYSTEM

Maximum operating distance between the transmitter and receiver is about 325 feet. The operating range will vary in different buildings and surroundings. In some locations, the signal may momentarily disappear. This is called a "drop-out" and is due to reflection and cancellation of the radio signal. Moving a few feet will restore the signal.

Keep the transmitter and receiver units at least 3 feet apart. If the transmitter gets too close to a receiver, it can overload the receiver, causing noisy reception or blocking of the signal.

Do not use more than one transmitter on the same channel (frequency) at the same time unless they are physically separated by more than 325 feet. Operating more than one transmitter on the same channel at the same time in the same place will result in interference.



IN CASE OF DIFFICULTY

If your Talk & Listen Kit system is not working, check the following:

Read through the manual and user guide carefully to verify proper setup and installation of your system.

Make sure the batteries are fresh or completely charged and that the "plus" and "minus" terminals are installed correctly.

If the rechargeable batteries will only work for a short period of time (less than 1 hour) even after they are fully charged, they must be regenerated. Leave them in the receiver or transmitter with the unit turned on, for 5–6 hours. This should restore normal battery life. Rechargeable batteries will gradually lose their capacity over time and should be replaced every 1 to 2 years.

Make sure the *microphone* is plugged into the TLK-TM transmitter and the *headphone* is plugged into the TLK-RM receiver.

Move the transmitter and receiver closer together. You may be out of range. When using the system indoors, it's normal for the signal to momentarily disappear in certain locations. This is called a "drop-out." Moving a few feet will restore the signal.

6. Do not try to use more than one transmitter on the same channel in close proximity to each other. MORE THAN ONE TRANSMITTER ON THE SAME CHANNEL WILL RESULT IN INTERFERENCE IF THEY ARE CLOSE TOGETHER. Keep the transmitters at least 325 feet apart or use separate channels for each system used.
7. If you are still hearing interference on the receivers, turn the transmitter off and listen with a receiver. If you hear the interference with the transmitter off, you need to change to a clear channel.

Notice

We assume no liability for improper use or operation of this equipment. The user is cautioned to operate the volume controls at the lowest acceptable level, and in a manner that will not cause damage to hearing. Ear pieces and accessories should be worn using good judgment and for their intended purpose.

Users are cautioned that changes or modifications not expressly approved by Audio Resource Group, Inc. could void the users authority to operate the equipment.

COMPLIANCE

This transmitter is authorized by rule under the Low Power Radio Service (47 C.F.R. Part 95) and must not cause harmful interference to TV Reception or United States Navy SPASUR installations. You do not need an FCC license to operate this transmitter. This transmitter may only be used to provide: auditory assistance to persons with disabilities, persons who require language translation, or persons in educational settings; health care services to the ill; law enforcement tracking services under agreement with a law enforcement agency; or automated maritime telecommunications system (AMTS) network control communications. Two-way voice communications and all other types of used not mentioned above are expressly prohibited.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

If TV channel 13 is used in the area, the installer shall reduce or adjust the RF radiated power so that nearby TV channel 13 receivers do not receive radio interference from the system.

LIMITED WARRANTY

Our products are engineered, designed, and manufactured under carefully controlled conditions to provide you with many years of reliable service. Audio Resource Group, Inc. (ARG) warrants the wireless system against defects in materials and workmanship for the life of the system (items TLK-TM, TLK-RM, TLK-PM-100 only).

WE HAVE NO CONTROL OVER THE CONDITIONS UNDER WHICH THIS PRODUCT IS USED. ARG THEREFORE DISCLAIMS ALL WARRANTIES NOT SET FORTH ABOVE, BOTH EXPRESS AND IMPLIED, WITH RESPECT TO THE TLK-TM, TLK-RM AND TLK-PM-100, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ARG SHALL NOT BE LIABLE TO ANY PERSON OR ENTITY FOR ANY MEDICAL EXPENSES OR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY ANY USE, DEFECT, FAILURE OR MALFUNCTIONING OF THE PRODUCT, WHETHER A CLAIM FOR SUCH DAMAGES IS BASED UPON WARRANTY, CONTRACT, TORT OR OTHERWISE, THE SOLE REMEDY FOR ANY DEFECT, FAILURE OR MALFUNCTION OF THE PRODUCTS IS REPLACEMENT OF THE PRODUCT. NO PERSON HAS ANY AUTHORITY TO BIND ARG TO ANY REPRESENTATION OR WARRANTY WITH RESPECT TO THE TLK-TM, TLK-RM OR TLK-PM-100. UNAUTHORIZED REPAIRS OR MODIFICATIONS WILL VOID THE WARRANTY. IN ADDITION, THIS WARRANTY DOES NOT APPLY TO DAMAGED OR LEAKY BATTERIES OR INCORRECT BATTERY PLACEMENT WITHIN UNITS.

The exclusions and limitations set out above are not intended to, and should not be construed so as to contravene mandatory provisions of applicable law. If any part or term of this Disclaimer of Warranty is held to be illegal, unenforceable, or in conflict with applicable law by a court of competent jurisdiction, the validity of the remaining portions of this Disclaimer of Warranty shall not be affected, and all rights and obligations shall be construed and enforced as if this Limited Warranty did not contain the particular part or term held to be invalid.

Your warranty becomes effective the date you purchase your system.

If you are experiencing difficulty with your system, call Toll-Free for Customer Assistance:

1 -888-468-4552

If it is necessary to return your system for service please contact your Customer Service Representative for a Return Authorization Number prior to shipping.

Audio Resource Group, Inc.

ATTN: Repairs Dept.

375 Langdon Avenue

Hannaford, ND 58448

888-468-4552

repairs@audioresourcegroup.com

SYSTEM SPECIFICATIONS

FM TRANSMITTER, MODEL TLK-TM

Dimensions:	4.0" L x 2.6" W x 1.0" H (100.5 mm x 65.0 mm x 26.6 mm)
Weight:	125 g with batteries
Battery Type:	Two (2) AA 1.5 V Alkaline batteries (OR) Two (2) AA 1.2 V NiMH Rechargeable batteries
Operating Frequencies:	72.1 MHz–75.9 MHz
Stability:	± 0.1%, crystal reference, PLL
Modulation:	Narrow-band FM, 10 kHz P-P, 100 µS pre-emphasis
RF Output:	1.5 mW typical
Freq Response:	100 Hz to 15 kHz P-P, ± 3 dB at 1% max. THD
Signal–Noise Ratio:	55–60 dB, with CSG-RM Receiver
Compressor:	Compressor uses adjustable slope and noise gate
Transmit Antenna:	Integral with 39" microphone cord
Microphone:	Noise-canceling, PrivacyMic w/ coil cord, cord is antenna
Controls & Indicators:	On/Off switch, slide-type; "On" Indicator LED, Mute button
Mic Connector:	3.5 mm mono phone jack
Warranty:	5 years parts and labor (90 days on accessories)

RECEIVER, MODEL TLK-RM

Dimensions:	4.0" L x 2.6" W x 1.0" H (100.5 mm x 65.0 mm x 26.6 mm)
Weight:	125 g with batteries
Battery Type:	Two (2) AA 1.5 V Alkaline batteries (OR) Two (2) AA 1.2 V NiMH Rechargeable batteries
Operating Frequencies:	72.1 MHz–75.9 MHz
Stability:	± 0.1%, crystal reference, PLL
FM Deviation:	Narrow-band FM, 10 kHz P-P, 100 µS de-emphasis
Freq Response:	200 Hz to 15 kHz
Signal–Noise Ratio:	60 dB at 10 µV
Receive Antenna:	Integral with earphone cord
Audio Output:	35 mW
Output Connector:	3.5 mm mono phone jack
Controls:	Volume: thumbwheel/on/off/volume
Indicators:	"On" LED
Note:	Specifications are electrical performance
Warranty:	5 years parts and labor (90 days on accessories)

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.